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|---|------------------------------------|--|-------------|---------------|--|--|
| & TRADEMARK   | Application Number                 | 10/807,485   |             |               |  |  |
|   | Filing Date                        | March 22, 2004   |             |               |  |  |
| TRANSMITTAL FOR   | M                                  | First Named Inventor   | Simon Kang  |               |  |  |
| (to be used for all correspondence during po-<br>filed application)   | endency of                         | Group Art Unit Number  | 2879        |               |  |  |
|   |                                    | Examiner Name  | Vip Patel   |               |  |  |
| Total Number of Pages in This Submission  | 5*                                 | Attorney Docket Number   | 23976-08765 |               |  |  |
| ENCL  | OSURES                             | (check all that apply  | <b>/</b> )  |               |  |  |
| Fee Transmittal Form (in duplicate)  Check Enclosed  Return Receipt Postcard  Response to Notice to File Missing Parl Assignment & Recordation Cover Sheet  Declaration  Power of Attorney  Application Data Sheet  Supplemental Information Disclosure S PTO/SB/08A  Copies of IDS Cited Reference  Request for Corrected Filing Receipt  Request for Correction of Recorded Assignment/Response: [ ] Page(s)  After Final  Status Request  Revocation and Substitute Power of Atter  REMARKS: *Page count does not include cited. | Letter to Chief Di Formal Drawing( | ☐ Issue Fee Transmittal ☐ Letter to Chief Draftsperson ☐ Formal Drawing(s): ☐ [ ] Sheet(s) of Figure(s) [ ] ☐ Appeal Communication to Board of Appeals and |             |               |  |  |
| SIGNATURE OF ATTORNEY OR AGENT Signature:   |                                    |  |             |               |  |  |
| Attorney/Reg. No.: Robert A. Hulse, Reg   | . No. 48,473                       |  | Dated:      | Mar. 29, 2006 |  |  |
| CERTIFICATE OF MAILING  |                                    |  |             |               |  |  |
| I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1-10.                       |                                    |  |             |               |  |  |
| Signature: \\Lu\ttA   | - 11                               |  |             |               |  |  |
| Typed or Printed Name: Robert A. Hulse  | )                                  |  | Dated:      | Mar. 29,2006  |  |  |
| Express Mail Mailing Number (optional):   |                                    |  |             |               |  |  |

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Simon Kang, Craig Bae and Jung Jae Kim

**APPLICATION NO.:** 

10/807,485

FILING DATE:

March 22, 2004

TITLE:

Barrier Metal Layer for a Carbon Nanotube Flat Panel Display

**EXAMINER:** 

Vip Patel

**GROUP ART UNIT:** 

2879

ATTY. DKT. NO.:

23976-08765

## **CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

the date shown below:

Dated:

Robert A. Hulse, Reg. No.: 48,473

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## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material. to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

| within three months of the filing date of the application, or date of entry     |
|---|
| into the national stage of an international application, or before the mailing  |
| date of a first office action on the merits, whichever event last occurred;     |
| before the mailing of a first official action after the filing of a request for |
| continued examination (RCE) under 37 CFR § 1.114;                               |



 $\boxtimes$ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and: attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR.§ 1.97(c); OR  $\boxtimes$ Applicant certifies pursuant to 37 CFR § 1.97(e) that:  $\square$ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:  $\Box$ Applicant certifies pursuant to 37 CFR. § 1.97(e) that: each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this

|        |             |   |   | certi         | fication after making reasonable inquiry, no item of      |  |  |  |
|--------|-------------|---|---|---------------|---|--|--|--|
|        |             |   |   | info          | rmation contained in this Statement was known to any      |  |  |  |
|        |             | -   |   | indiv         | vidual designated under 37 CFR § 1.56(c) more than        |  |  |  |
|        |             |   |   | three         | e months prior to the filing of this Statement; AND       |  |  |  |
|        |             |   | ]   | attached her  | reto is the fee set forth under 37 CFR §1.17(p) for       |  |  |  |
|        |             |   | 1   | submission    | of this Information Disclosure Statement under 37         |  |  |  |
|        |             |   | . (   | CFR.§ 1.97    | (d); OR   |  |  |  |
|        |             | ☐ af  | fter the  | e payment of  | f the issue fee. Applicant requests that the information  |  |  |  |
|        |             |   |   |               | formation Disclosure Statement be placed in the file      |  |  |  |
|        |             |   |   |               | R § 1.97(i), although the information may not be          |  |  |  |
|        |             |   |   | red by the U  |   |  |  |  |
|        | $\boxtimes$ | Enclosed  | l is a co   | opy of each   | listed reference that may be material to the              |  |  |  |
|        |             | examinat  | tion of   | this applica  | tion, and for which there may be a duty to disclose.      |  |  |  |
|        |             | This app  | licatio   | n relies, und | er 35 U.S.C. § 120, on the earlier filing date of prior   |  |  |  |
|        |             | application   | on No.  | , fi          | led on, and the references cited therein are              |  |  |  |
|        |             | hereby re   | hereby referenced, but are not required to be provided in this application under 37 |               |   |  |  |  |
|        |             | CFR § 1.98(d).  |   |               |   |  |  |  |
|        | $\boxtimes$ | Copies of enclosed.   | -   | oreign pater  | nt documents and non-patent literature cited herein are   |  |  |  |
|        | $\boxtimes$ | Each item of information contained in this Information Disclosure Statement was |   |               |   |  |  |  |
|        |             | cited in a  | comn  | nunication f  | rom a foreign patent office in a counterpart application, |  |  |  |
|        |             | and the c   | ommu  | nication wa   | s not received by any individual designated in 37 CFR     |  |  |  |
|        |             | § 1.56(c)   | more  | than thirty d | lays prior to the filing of this Information Disclosure   |  |  |  |
|        |             | Statemen  | it. 37 (  | CFR § 1.704   | <b>1</b> (d).   |  |  |  |
|        | $\boxtimes$ | Applican  | t subm  | its that no f | ee is required for the consideration of this Information  |  |  |  |
|        |             | Disclosus   | re State  | ement.        |   |  |  |  |
|        | Consid      | deration of the listed references and favorable action are solicited.           |   |               |   |  |  |  |
|        |             |   |   |               | Respectfully submitted,                                   |  |  |  |
|        |             |   |   |               | SIMON KANG ET AL.   |  |  |  |
| Dated: | _M          | gr. 29  | رعر   | 506           | By: Cott A. Ish   |  |  |  |
|        |             |   |   |               | Robert A. Hulse, Reg. No.: 48,473 Fenwick & West LLP      |  |  |  |
|        |             |   |   |               | Silicon Valley Center                                     |  |  |  |
|        |             |   |   |               | 801 California Street                                     |  |  |  |
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|        |             |   |   |               | Tel.: (415) 875-2444<br>Fax.: (650) 938-5200              |  |  |  |
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| Substitute for form 1449A/PTO              | Complete if Known      |                |  |  |
|--|------------------------|----------------|--|--|
| INFARMATION DISCLOSURE                     | Application No.        | 10/807,485     |  |  |
| INFORMATION DISCLOSURE STATEMENT APPLICANT | Filing Date            | March 22, 2004 |  |  |
| APR 0 8 2006                               | First Named Inventor   | Simon Kang     |  |  |
| APR 0 3 2000 B                             | Art Unit               | 2879           |  |  |
| \ <b>\</b>                                 | Examiner Name          | Vip Patel      |  |  |
| Sheet OF RADEMAN of 1                      | Attorney Docket Number | 23976-08765    |  |  |

|                       | U.S. PATENT DOCUMENTS |  |                    |  |  |  |
|-----------------------|-----------------------|--|--------------------|--|--|--|
|                       |                       | Document No.                               |                    |  |  |  |
| Examiner<br>Initials* | Cite<br>No.1          | Number – Kind Code <sup>2</sup> (if known) | Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |  |  |
|                       |                       | US-  |                    |  |  |  |
|                       |                       | US-  |                    |  |  |  |

|                       | ,            |   | FOREIGN PA                     | ATENT DOCUMENTS                                    |                |
|-----------------------|--------------|---|--------------------------------|--|----------------|
|                       |              | Foreign Patent Document   |                                |  |                |
| Examiner<br>Initials* | Cite<br>No.1 | Country Code <sup>3</sup> –<br>Number <sup>4</sup><br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup> |
|                       | B1           | WO 03/025965 A1   | 03-27-2003                     | Motorola, Inc.                                     |                |
|                       | B2           | EP 1061554 A2   | 12-20-2000                     | Iljin Nanotech Co., Ltd.                           |                |
|                       |              |   |                                |  |                |
|                       |              |   |                                |  |                |
|                       |              |   |                                |  |                |

| OTHER REFERENCES NON-PATENT LITERATURE DOCUMENTS |              |  |                |  |  |
|--|--------------|--|----------------|--|--|
| Examiner<br>fnitials*                            | Cite<br>No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>6</sup> |  |  |
|  | C1           | Supplementary European Search Report, EP Application No. 03815183, March 15, 2003, 3 pages.  |                |  |  |
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| Examiner  |   | Date       |      |
| Signature |   | Considered |      |
|           | • |            | •    |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.